MANUFACTURER MEMORANDUM SHEET

Date:

21-Sep-96

TO:

MSDS Requester

FROM:

Shannon North - 3E Company Data Management

RE:

The MSDS you have requested

Manufacturer: Associated Leisure Products, Inc.

Product Name: Spa PH Balance

Product #:

Mfg Contact Name: Tom

Mfg Phone #: (770) 381-2022

Per the manufacturer the MSDS(s) listed below cover the above product. PH Balance

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EMERGENCY
             FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL
           CHEMTREC - DAY or NIGHT - (800) 424-9300
             ROBARB INCORPORATED
        MATERIAL SAFETY DATA SHEET
Product Name: PERFECT PH
SECTION I - GENERAL INFORMATION
Manufacturer's Name: ROBARB, Incorporated
Address: 2502 LANTRAC COURT, DECATUR, GEORGIA 30035
Telephone: (800) 445-2059
Trade Name & Synonyms:pH BALANCE, pH BUFFER
Chemical Name & Synonyms: AQUOUS BLEND OF ALKALI METAL PHOSPHATES
Generic Description: PHOSPHATE BASED BUFFER CONCENTRATE
Formula:MIXTURE
                              CAS#: NONE ASSIGNED
D.O.T. Proper Shipping Name: NONE
U.N. or N.A. Identification #:NONE
D.O.T. Hazard Class: NONE
Hazardous Materials Identification System Values (HMIS) -
  Health: 1 Flammability: 0 Reactivity: 1 Personal Protection: 8
National Fire Protection Association Ratings (NFPA 704M) -
  Health: 1 Flammability: 0 Reactivity: 1 Specific Hazard: NONE
SECTION II - HAZARDOUS INGREDIENTS
Hazardous Component(s) *
                           I OSHA I ACGIH I
Chemical & Common Name:
                        NONE
* Ingredients listed in this section have been determined to be hazardous
as defined in 29 CFR 1910.1200. Materials determined to be health hazards
are listed if they comprise 1% or more of the composition. Materials
identified as carcinogens are listed if they comprise 0.1% or more of the
composition. Information on proprietary materials is available as provided
in 29 CFR 1910.1200 (i)(1).
SECTION III - PHYSICIAL DATA
Boiling Point (F):223 F Specific Gravity (water=1):1.40 Vapor Pressure (mm Hg): 14 mm % Volatile (by Volume): N.A. Vapor Density (air=1):2.8 Evaporation Rate: 16
Melting Point (F):N.A.
                            (BUTYL ACETATE
Solubility in Water:COMPLETE
Appearance & Odor: COLORLESS, CLEAR TO TURBID LIQUID WITH A BLAND ODOR
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SECTION IV - FIRE & EXPLOSION DATA Method Used: N.A. Flash Point (F):NONE Extinguishing Media: USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE. Special fire Fighting Procedures: NONE REQUIRED Unusual Fire & Explosion Hazards: NONE SECTION V - REACTIVITY DATA Stability - Unstable: Stable:X Conditions to Avoid: NONE KNOWN Incompatability (Materials to Avoid): NONE KNOWN Hazardous Decomposition Products: NONE KNOWN Hazardous Polymerization - Will Occur: Will Not Occur: X Conditions to Avoid: NONE KNOWN SECTION VI - HEALTH HAZARD DATA Acute Health Hazards: VAPOR OR MIST MAY CAUSE IRRITATION TO EYES OR RESPIRATORY TRACT Chronic Health Hazards: NONE KNOWN Signs & Symptoms of Exposure: AT NORMAL USE LEVELS PRODUCT IS NOT HAZARDOUS. IN CONCENTRATED FORM, PRODUCT MAY CAUSE IRRITATION TO THE EYES OR RESPIRATORY TRACT. INGESTION MAY CAUSE NAUSEA AND GASTROINTESTINAL DISCOMFORT. Medical Conditions Generally Aggravated by Exposure: NONE KNOWN Chemical Listed as Carcinogen or Potential Carcinogen by: National Toxicology Program: Yes: No: X I.A.R.C. Monographs: Yes: No: X O.S.H.A. Yes: No: X Emergency & First Aid Procedures: TREAT BASED UPON ROUTE OF EXTRY. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION IMMEDIATELY. Route of Entry -Inhalation: REMOVE VICTIM TO FRESH AIR. IF EREATHING IS LABORED PROVIDE OXYGEN, OR ARTIFICIAL RESPIRATION. Eyes: IMMEDIATELY FLUSH EYES IN CLEAR RUNNING WATER FOR AT LEAST 15 MINUTES, LIFTING LIDS PERIODICALLY. GET MEDICAL ATTENTION. Skin: REMOVE CONTAMINATED CLOTHING & FLUSH CONTAMINATED AREA WITH RUNNING WATER.

GET IMMEDIATE MEDICAL ATTENTION.

Ingestion: ADMINISTER LARGE QUANTITIES OF WATER IF VICTIM IS CONSCIOUS,

SECTION VII - SPILL OR LEAK PROCEOURES

Steps to be Taken in Case Material is Released or Spilled: CONTAIN SPILL WITH SUITABLE DIKING MATERIAL. COLLECT ON ABSORBANT MATERIAL AND DISPOSE OF IN A SUITABLE WASTE CONTAINER. THROUGHLY WASH AREA OF SPILL WITH WATER.

REPORT SPILLS OR RELEASES AS REQUIRED BY FEDERAL, STATE, AND LOCAL REGULATIONS.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THIS IS NO REPORTABLE QUANTITY ESTABLISHED FOR THIS MATERIAL

SECTION VIII - SPECIAL PROTECTION & CONTROL MEASURES

Respiratory Protection (Specify Type): NONE REQUIRED

Ventilation -

Local Exhaust: SUFFICIENT Special Exhaust: NOT REQUIRED Other Exhaust: N.A.

Protective Equipment -

Protective Gloves: NEOPRENE Eye Protection: CHEMICAL GOGGLES
Other Protective Equipment: NONE REQUIRED

Work or Hygienic Practices: WASH FROM CLOTHING AND SKIN, USE GOOD CHEMICAL HANDLING PRACTICES.

S E C T I O N I X - S P E C I A L P R E C A U T I O N S

Precautions to be Taken in Handling and Storage: STORE OUT OF THE REACH

OF CHILDREN. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: NONE REQUIRED

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD PEVIEW THESE SECOMMENDATIONS IN THE SPECIFIC DON'S TO THE INTENDED ONE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

Prepared by: R. LASNIK

Date of Last Revision: FEBRUARY 10, 1993 (G.Z.)

Date Written: OCTOBER 4, 1991